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DEAD CREEK HYRAULIC STUDY

CONCLUSIONS

- Sediment and debris removal from culverts will not significantly reduce flood levels along Dead Creek.

- Upgrading existing culverts to current engineering standards by replacement with box culverts or bridges will not only not eliminate flooding, but will increase flood discharges to downstream regions of Dead Creek.

- Improvement of flow conveyance at road crossings across Dead Creek will increase both flood discharge rates and sediment transport.

FINDINGS

- The flooding problems of Dead Creek are complex and require a comprehensive approach for their resolution.

- Flooding can occur because of both bank overflow in low bank areas and because of the inability of ponded waters from direct runoff to drain from low lying areas beyond the creek banks.

- Low bank areas along the creek not only contribute to out-of-bank flooding but also allow floodwaters to reach areas behind higher banks.

- Improving creek conveyance and out-of-bank surface drainage without aggravating current flooding or sediment transport will require examination of a wide range of alternatives for stream flow management and drainage infrastructure enhancements in the Dead Creek watershed.